

Title (en)
SECURE CONTROL OF AUTOMOTIVE SYSTEMS USING MOBILE DEVICES

Title (de)
SICHERE STEUERUNG VON FAHRZEUGSYSTEMEN MIT MOBILLEN VORRICHTUNGEN

Title (fr)
COMMANDE SÉCURISÉE DE SYSTÈMES AUTOMOBILES À L'AIDE DE DISPOSITIFS MOBILES

Publication
EP 3334198 B1 20210127 (EN)

Application
EP 17188265 A 20170829

Priority
• RU 2016148487 A 20161212
• US 201715670034 A 20170807

Abstract (en)
[origin: EP3334198A1] Disclosed are systems and methods for secure control of automotive systems using mobile devices. An exemplary method comprises: connecting a vehicle, as a peripheral device, to a mobile device, which acts as a master device, via a security device of the vehicle, wherein the security device provides secure transmission of data and commands between the vehicle and the mobile device; receiving, by the mobile device, via the security device, from one or more measurement devices of the vehicle, measurement data from one or more automotive systems of the vehicle; based on the received measurement data, forming by the mobile device control commands for actuating devices of the vehicle, wherein the control commands enable and/or regulate operation of the actuating devices of the vehicle; and transmitting, by the mobile device, via the security device, the control commands to the actuating devices of the vehicle.

IPC 8 full level
H04W 12/06 (2021.01); **H04L 29/08** (2006.01); **H04W 12/10** (2021.01); **B60R 25/24** (2013.01); **G05D 1/00** (2006.01); **H04L 12/40** (2006.01)

CPC (source: CN EP RU US)
B60R 16/0231 (2013.01 - CN); **B60R 25/01** (2013.01 - US); **B60R 25/24** (2013.01 - US); **B60W 50/08** (2013.01 - EP US); **B62D 5/00** (2013.01 - RU); **G05D 1/0016** (2024.01 - US); **G05D 1/0022** (2024.01 - EP US); **H04L 12/40** (2013.01 - US); **H04L 12/403** (2013.01 - EP US); **H04L 63/0853** (2013.01 - EP US); **H04L 67/12** (2013.01 - EP US); **H04W 12/06** (2013.01 - EP US); **H04W 12/10** (2013.01 - EP US); **B60R 25/24** (2013.01 - EP); **B60W 2552/00** (2020.02 - EP US); **B60W 2554/00** (2020.02 - EP US); **B60W 2555/20** (2020.02 - EP US); **B60W 2555/60** (2020.02 - EP US); **B60W 2556/45** (2020.02 - EP US); **H04L 12/40** (2013.01 - EP); **H04L 2012/40273** (2013.01 - EP US)

Cited by
US2021309245A1; US11738766B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3334198 A1 20180613; **EP 3334198 B1 20210127**; US 11259179 B2 20220222; US 2020089219 A1 20200319

DOCDB simple family (application)
EP 17188265 A 20170829; US 201916693636 A 20191125